



2-2-04

PATENT
674519-2011.1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Reed et al.
U.S. Serial No. : 10/674,892
Filing Date : September 30, 2003
For : COMPOUND
Group Art Unit : 1614

745 Fifth Avenue
New York, NY 10151

EXPRESS MAIL

Mailing Label Number: EV 287826336US

Date of Deposit: January 30, 2004

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: **Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Barnet Shindlman
(Typed or printed name of person mailing paper or fee)

Barnet Shindlman
(Signature of person mailing paper or fee)

INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The Examiner's attention is respectfully drawn to the documents listed on the accompanying PTO form 1449. A copy of those documents was previously submitted to or cited by the USPTO in predecessor applications Serial No. 09/319,213, filed November 23, 1999 (now U.S. Patent No. 6,642,220), Serial No. 09/111,927, filed July 8, 1998 (now U.S. Patent No.

6,011,024) and Serial No. 09/724,986, filed November 28, 2000 (now U.S. Patent No. 6,676,934). Accordingly, no copy of those documents is submitted herewith.

As this Information Disclosure Statement is being filed before the mailing of the first Office Action, it is believed that no fee is required for entry of those papers. However, the Commissioner is hereby authorized to charge any such fee, or credit any overpayment to Deposit Account 50-0320.

The filing of this Information Disclosure Statement is not an admission that the documents identified herein constitute prior art to the present application.

Applicants respectfully request that the Examiner considers and makes of record the documents cited herewith and that a copy of Form PTO-1449 be initialed by the Examiner and returned to the undersigned.

Respectfully submitted,

FROMMER LAWRENCE & HAUG LLP
Attorneys for Applicants

Thomas J. Kowalski by Angela M. Collison
Thomas J. Kowalski
Reg. No. 32,147
Angela M Collison
Reg. No. 51,107
(212) 588-0800

Enc. PTO Form 1449

Based on Form PTO-1449
(3/90)

ATTY. DOCKET NO.

674519-2011.1

SERIAL NO.

10/674,892

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT

Reed et al.

FILING DATE

September 30, 2003

GROUP

1614

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,340,602	07/20/82	Brooks			
	AB	4,668,668	05/26/87	Brooks et al.			
	AG	4,937,237	06/26/90	Holt et al.			
	AO	5,281,587	01/25/94	Reed			
	AE	5,344,827	09/06/94	Reed			
	AF	5,604,215	02/18/97	Reed et al.			
	AG	5,616,574	04/01/97	Reed et al.			
	AH	5,677,292	10/14/97	Li et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AI	GB 1398026	06/18/75	Great Britain				
	AJ	DE 114806	08/20/75	Germany				
	AK	FR 2133484	12/01/72	France				
	AL	EP 0 403 185	12/19/90	Europe				
	AM	AU 645975	02/03/94	Australia				

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AN		Cushman et al., "Synthesis, Antitubulin and Antimitotic Activity, and Cytotoxicity of Analogs of 2-Methoxyestradiol, and Endogenous Mammalian Metabolite of Estradiol that Inhibits Tubulin Polymerization by Binding to the Colchicine Binding Site," Journal of Medicinal Chemistry, vol. 38, no. 12, June 9, 1995, pp. 2041-2049
	AO		Dorfman et al., Acta Endocrinol. 1966, 52, 619-26
	AP		Elger et al., "Novel oestrogen sulfamates: a new approach to oral hormone therapy," Exp Opin Invest Drugs 7(4):575-89 (1998)
	AQ		Elger et al., "Sulfamates of Various Estrogens are Prodrugs with Increased Systemic and Reduced Hepatic Estrogenicity at Oral Application," J. Steroid Biochem. Molec. Biol., vol. 55, no. 3/4, pp. 395-403 (1995)
	AR		Fishman et al., "Studies on the Directive O-Methylation of Catechol Estrogens," Journal of the American Chemical Society, vol. 89, no. 26, 1967, pp. 7147-7149
	AS		Haddow et al., Brit. Med. J., ii, 393, 4368-73 (1944)
	AT		Hejaz et al., J. Mol. Chem., 1999, 42, 3188-92

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Based on Form PTO-1449 (3/90) LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 674519-2011.1	SERIAL NO. 10/674,892
	APPLICANT Reed et al.	
	FILING DATE September 30, 2003	GROUP 1614

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AU	5,705,495	01/06/98	Schwartz et al.			
	AV	6,011,024	01/04/00	Reed et al.			
	AX	6,187,766	02/13/01	Reed et al.			
	AY	6,476,011	11/05/02	Reed et al.			
	AZ						
	BA						
	BB						
	BC						

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	BD	WO 93/05064	03/18/93	WIPO				
	BE	CA 2196678	02/22/96	Canada				
	BF	GB 2331988	06/09/99	Great Britain				
	BG	WO 97/14712	04/24/97	WIPO				
	BH	WO 98/24802	06/11/98	WIPO				

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)			
	BI		Howarth et al., J. Med. Chem., vol. 37 (1994), pp. 219-221
	BJ		Ingle et al., (1981). N. Engl. J. Med., 304, 16-21
	BK		Li et al., Steroids: Structure, Function, and Regulation., US Elsevier Science Publishers, New York, NY. vol. 63, no. 7-8, July 1998. (XP004134764)
	BL		Lovely et al., "2-(Hydroxyalkyl)estradiols: Synthesis and Biological Evaluation," Journal of Medicinal Chemistry, vol. 39, no. 9, April 26, 1996, pp. 1917-1923
	BM		Nathanson & Kelley, N. Eng. J. Med., 246,135-145 (1952)
	BN		Peters et al., "Analogues of ((Triethylsilyl)ethynyl)estradiol as Potential Antifertility Agents," Journal of Medicinal Chemistry, vol. 31, no. 3, 1988, pp. 572-576

EXAMINER	DATE CONSIDERED
----------	-----------------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Based on Form PTO-1449
(3/90)

ATTY. DOCKET NO.

674519-2011.1

SERIAL NO.

10/674,892

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT

Reed et al.

FILING DATE

September 30, 2003

GROUP

1614

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	CI						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	CJ							
	CK							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	CL		Stewart et al., 1980. In: Breast Cancer: experimental and clinical aspects. Mouridsen and Palshof (eds). Oxford, Pergamon Press p83-88
	CM		Townsley et al., Research Steroids, Vol. 5 (1973), pp. 73-78.
	CN		Townsley, J.D., "Further Studies on the Regulation of Human Placental Steroid 3-Sulfatase Activity", Endocrinology, vol. 93, No. 1, 1973, pp. 172-181
	CO		White et al., Principles of Biochemistry, Sixth Ed. 1978, p 311
	CP		"Erythrocytes as a drug carrier - Investigations with selected estrogens for loading following oral administration, Natural Science Faculty, Science, Council, Martin-Luther Universität Halle-Wittenberg, Germany, August 1989 (hereinafter "the Claussen Dissertation").
	CQ		"ANIMAL EXPERIMENTAL CONTRIBUTION TO THE DEVELOPMENT OF ESTROGENIC SUBSTANCES" (hereinafter "the Stölzer Dissertation"), Dissertation for award of Doctor of Science degree at the Mathematic-Naturwissenschaftlichh-Technischen faculty of Friedrich-Schiller-University Jena, July 1989
	CR		Woo et al., "Active Site Directed Inhibition of Estrone Sulfatase by Nonsteroidal Coumarin Sulfamates", J. Med. Chem., vol. 39, No. 7, Mar. 29, 1996, pp. 1349-1351
	CS		WPI AN 90-377906. Y. Lo et al. 1990.
	CT		"Tierexperimenteller Beitrag zur Entwicklung Estrogener Wirkstoffe." Dissertation sur Erlangung des akademischen Grades eines Doktors der Wissenschaften an der Mathematisch-Naturwissenschaftlich-Technischen Fakultät des Wissenschaftlichen Rates der Friedrich-Schiller-Universität Jena. Wolfgang Stölzner, Jena, Germany, Aug. 1988.
	CU		"Erythrozyten als Arzneimittelträger-Untersuchungen mit ausgewählten Estrogenen zur Beladung nach oraler Gabe," Dissertation B sur Erlangung des akademischen Grades eines Doktors der Wissenschaften, Der Fakultät für Naturwissenschaftlichen Rates der Martin-Luther-Universität Halle-Wittenberg. Claus Claussen, Jenna, Germany, Aug. 1989
	CV		Zeitschrift Fur Chemie, vol. 14, No. 1, 1974, pp. 219-221
	CW		Zeitschrift Fur Chemie, vol. 14, No. 1, 1974, pp. 15-16
	CX		Chemical Abstracts, vol. 107, no. 21, Nov. 23, 1987
	CY		Chemical Abstracts, vol. 68, no. 1, Jan. 1, 1968

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.